

**LISTING OF CLAIMS:**

Claims 1-20 (cancelled).

Claim 21 (new): A high-efficiency liquid oxygen (LOX) storage/delivery system, comprising:

A portable LOX/delivery apparatus comprising a portable LOX container, and including a portable-unit LOX transfer connector connected to the portable LOX container and connectable to a main source of LOX in a primary reservoir LOX container for transferring LOX to said portable container; a portable-unit oxygen gas transfer connector for transferring oxygen gas from said portable LOX container to an oxygen gas delivery device for delivering oxygen gas to a patient; an inter-unit oxygen gas transfer connector for connecting the portable apparatus to a stationary source of oxygen gas in said primary reservoir container for transferring oxygen gas to said portable container;

wherein, when the inter-unit oxygen gas transfer connector of the portable container is connected to said stationary source of oxygen in said primary reservoir container, oxygen gas can be transferred to the oxygen gas delivery device for delivery to the patient from the stationary source of gas in the primary reservoir LOX container through the inter-unit oxygen gas transfer connector.